

REMARKS

As a preliminary matter, Applicants appreciate the time and courtesy extended by the Examiner during the July 15, 2010 personal interview. Details of the interview will be discussed below.

In the Final Office Action, the Examiner objected to the drawings as allegedly not showing the step of “combining, **within a single frame**, a higher-luminance pixel, which is a pixel that is driven at a higher luminance than luminance data of an image to be displayed, and a lower-luminance pixel, which is a pixel that is driven at a lower luminance than the luminance data” (emphasis added), as previously recited in independent Claims 1, 83 and 84. Applicants have cancelled Claims 83 and 84, without prejudice, thereby rendering this objection moot with respect to these claims. However, with respect to Claim 1, Applicants respectfully traverse this objection.

In response, the Examiner’s attention is directed to Applicants’ Figures 7A and 7B, which show how higher-luminance pixels and lower luminance pixels¹ are combined in a single frame. For example, Applicants’ Figure 7A shows how in Frame 1 there are four (4) higher-luminance pixels (which are un-shaded pixels, including the pixel designated as “5”) that are combined with twelve (12) lower luminance pixels (which are the shaded pixels). Thus, as “Frame 1” designates a single frame, this figure shows the feature at issue.

1. It should be noted that the terms “higher luminance pixel” and “lower luminance pixel” do not merely refer to bright and dark pixels, respectively, but instead refer to a pixel that is of higher luminance than a corresponding pixel of the unprocessed original image or is of lower luminance than a corresponding pixel of the unprocessed original image, respectively. *See e.g.*, Applicants’ Specification as originally filed, pages 17-18.

Similarly, Frames 2-4 of Figure 7A also each show a single frame, and each of these additional frames (2-4) also shows an example of a situation in which higher luminance pixels are combined with lower luminance pixels in a single frame.

Applicants' Figure 7B shows additional examples of situations in which higher luminance pixels and lower luminance pixels are combined within a single frame. More specifically, Figure 7B shows four examples of single frames that each include both higher and lower luminance pixels in a single frame.

Although Figures 7A and 7B each show four frames, each of the single frames shown in Figures 7A and 7B shows a situation in which higher luminance pixels and lower luminance pixels are combined within a single frame. In other words, Figures 7A and 7B show eight examples of situations in which higher luminance pixels and lower luminance pixels are combined within a single frame.

Accordingly, as it has been shown that the step in current Claim 1 of “combining, **within a single frame** the one or more of higher-luminance pixels and the one or more of lower-luminance pixels,” (emphasis added), is adequately shown in the drawings of the instant application, Applicants respectfully request the withdrawal of this objection to the drawings.

Claims 1-3, 6, 7, and 82-85 stand rejected under 35 U.S.C. §112, first paragraph, as allegedly failing to comply with the enablement requirement. More specifically, the Examiner asserts that the step of “combining, **within a single frame**, a higher-luminance pixel, which is a pixel that is driven at a higher luminance than luminance

data of an image to be displayed, and a lower-luminance pixel, which is a pixel that is driven at a lower luminance than the luminance data” (emphasis added) of previous Claims 1, 83 and 84 is not sufficiently enabled in the instant Specification. Claims 6 and 82-85 have been cancelled, without prejudice, thereby rendering this rejection moot with respect to these claims. However, with respect to Claims 1, 2 and 7, Applicants respectfully traverse this rejection.

As mentioned above, Applicants’ Figures 7A and 7B each show four different examples of situations in which higher and lower luminance pixels are combined within a single frame. Further, these figures are described on pages 28 and 29 of the Specification as originally filed.

Additionally, Applicants’ Figure 1B also shows another example of a situation in which higher and lower luminance pixels are combined within a single frame, as compared with Applicants’ Figure 1A. More specifically, Applicants’ Figure 1A shows a single frame with nine pixels of an original unprocessed image. Applicants’ Figure 1B shows a single frame that also includes nine pixels, but where pixel 1a is a higher luminance pixel (*i.e.*, higher than the luminance of the corresponding pixel in the original, unprocessed image of Figure 1A) and where pixels 1b are lower luminance pixels (*i.e.*, lower than the luminance of the corresponding pixels in the original, unprocessed image of Figure 1A). In Figures 1A and 1B, higher luminance is indicated by lack of shading (such as pixel 1a of Figure 1B), lower luminance is indicated by dark shading (such as pixels 1b of Figure 1B), and the

original luminance is indicated by light shading (such as pixels 1 of Figure 1A). Figures 1A and 1B are described on pages 17-18 of the Specification as originally filed.

In light of the above comments, Applicants respectfully request the withdrawal of this §112, first paragraph, rejection, as it has been shown that the Specification, as originally filed, adequately enables the step of “combining, **within a single frame** the one or more of higher-luminance pixels and the one or more of lower-luminance pixels (emphasis added) of current Claim 1.

Claims 1-3, 6 and 82-85 stand rejected under 35 U.S.C. §103 as being unpatentable over United States Patent No. 7,205,970 to Kim et al. in view of United States Patent Application Publication No. 2002/0118153 to Kimura. Claims 6 and 82-85 have been cancelled, without prejudice, thereby rendering this rejection moot with respect to these claims. However, with respect to Claims 1-3, Applicants respectfully traverse this rejection.

During the July 15, 2010 personal interview, the Examiner suggested combining the method steps of Claim 1 of the present application with the structural features of Claim 1 of either related Application Serial No. 12/576,910 or related Application Serial No. 12/620,311. Accordingly, in the present application, Applicants have added the subject matter of Claim 1 of Serial No. 12/620,311 to Claim 1 of the present application.

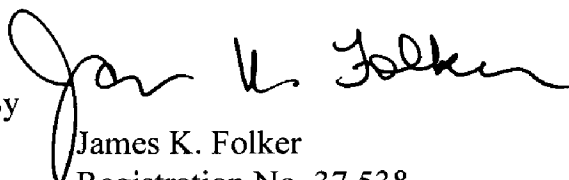
In addition, Applicants have also amended the method steps of present Claim 1. Applicants respectfully submit that amended independent Claim 1 is allowable over the references of record.

For all of the above reasons, Applicants request reconsideration and allowance of the claimed invention. Should the Examiner be of the opinion that a telephone conference would aid in the prosecution of the application, or that outstanding issues exist, the Examiner is invited to contact the undersigned attorney.

If a Petition under 37 C.F.R. §1.136(a) for an extension of time for response is required to make the attached response timely, it is hereby petitioned under 37 C.F.R. §1.136(a) for an extension of time for response in the above-identified application for the period required to make the attached response timely. The Commissioner is hereby authorized to charge fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069.

Respectfully submitted,

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